

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	symmetrical and clinch and pierce and "411"/\$.ccls	US-PGPUB; USPAT	OR	OFF	2004/08/16 11:45
S2	0	symmetrical and (clinch pierce) and "411"/\$.ccls	US-PGPUB; USPAT	OR	OFF	2004/08/09 10:56
S3	0	symmetrical and (clinch pierce) and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/09 10:57
S4	36975	("411").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 10:56
S5	118	symetric\$ and (clinch pierce)	US-PGPUB; USPAT	OR	ON	2004/08/11 09:45
S6	4	("2075675"   "1332686"   "1872385"   "1342225").PN.	USPAT	OR	OFF	2004/08/09 10:58
S7	3	"3809139".URPN.	USPAT	OR	OFF	2004/08/09 10:59
S8	1	("1591183").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 11:24
S9	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 11:25
S10	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/09 11:25
S11	1109	rivet and bush	US-PGPUB; USPAT	OR	ON	2004/08/09 15:00
S12	0	rivet and bush and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/09 15:01
S13	13	rivet and bush and "411"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/08/09 15:05
S14	137	(411/183).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 16:42
S15	202	(464/32).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:26
S16	258	411/183	US-PGPUB; USPAT	OR	ON	2004/08/09 16:44
S17	85	(464/42).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:33
S18	749	((411/179,180,181,182) or (411/185,186)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:35
S19	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/10 12:39
S20	9	symmetric and clinch and nut	US-PGPUB; USPAT	OR	OFF	2004/08/10 13:29

S21	2938	(29/505,525,525.01,525.05,525.06,525.11).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 13:41
S22	26	((29/505,525,525.01,525.05,525.06,525.11).CCLS.) and "clinch"	US-PGPUB; USPAT	OR	OFF	2004/08/12 12:18
S23	34	hopper and clinch and nut	US-PGPUB; USPAT	OR	ON	2004/08/10 13:51
S24	171	(411/171).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:08
S25	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S26	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S27	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S28	0	orientless and clinch	US-PGPUB; USPAT	OR	OFF	2004/08/10 14:09
S29	579	orient\$ and clinch	US-PGPUB; USPAT	OR	OFF	2004/08/10 14:57
S30	15	(470/907).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:59
S31	263	(470/167).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:59



S33	1	(US-3187424-\$ or US-3187424-\$). did.	USOCR	OR	OFF	2004/08/10 15:12
S34	9	((("4610072") or ("4711021") or ("4810143") or ("4831698") or ("4911592") or ("5251370") or ("5335411") or ("5423645") or ("5439336"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 16:14
S35	683238	flanged coupling	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:15
S36	360	'flanged coupling'	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:16
S37	122	flanged and coupling and "411"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:17
S38	181	flanged and coupling and "411"/\$	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:23
S39	8	"1648026".URPN.	USPAT	OR	OFF	2004/08/10 16:22
S40	533	flang\$ and radial and annular and (center midway halfway) and "411"/\$	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:25
S41	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 10:24
S42	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/11 09:45
S43	14806	cable and coupling and flange	US-PGPUB; USPAT	OR	OFF	2004/08/11 10:25
S44	1170	cable and coupling and flange and taper	US-PGPUB; USPAT	OR	OFF	2004/08/11 11:01
S45	126	(411/161,168).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 11:02
S46	6	"2415695".URPN.	USPAT	OR	OFF	2004/08/11 12:30
S47	921	(411/82,82.1,427).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 12:36
S48	0	"20030123950".URPN.	USPAT	OR	OFF	2004/08/11 12:36
S49	0	"20020197132".URPN.	USPAT	OR	OFF	2004/08/11 12:38



S51	2	(US-3187424-\$ or US-3187424-\$ or US-2415695-\$).did.	USOCR	OR	OFF	2004/08/11 12:49
S52	24477	flange\$ and nut and coupling	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:28
S53	3397	flange\$ and nut and coupling and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:29
S54	33	flange\$ and nut and coupling and symmetric\$ and "411"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:29
S55	231	pizza and cutting and blade	US-PGPUB; USPAT	OR	OFF	2004/08/12 08:25
S56	34	pizza with cutting with blade	US-PGPUB; USPAT	OR	OFF	2004/08/12 10:58
S57	12	("0116136"   "D144225"   "D152600"   "D330665"   "0488289"   "0749357"   "0986166"   "1533305"   "4574479"   "4625404"   "4924575"   "4959905").PN.	USPAT	OR	OFF	2004/08/12 08:26
S58	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 08:27
S59	2	("1363104"   "2718853").PN.	USPAT	OR	OFF	2004/08/12 08:29
S60	1	"2718853".URPN.	USPAT	OR	OFF	2004/08/12 08:32
S61	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 09:00
S62	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 09:00
S63	0	("15798752968713").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 10:58
S64	2	((("1579875") or ("2968713"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 10:59
S65	8	(411/170).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 11:28
S66	48	(411/172).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 11:47
S67	1	"2279574".URPN.	USPAT	OR	OFF	2004/08/12 11:30
S68	5	"2591631".URPN.	USPAT	OR	OFF	2004/08/12 11:31
S69	985	(411/360,361,366.2,501,509,510).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 12:17
S70	290	(411/147,136).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 12:23
S71	1704	(411/531-547).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 09:59

S72	7	("1404522"   "1865284"   "2042179"   "2156155"   "2374550"   "2456055"   "2911242").PN.	USPAT	OR	OFF	2004/08/12 13:22
S73	1	("3301942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 15:30
S74	5671	"29"/\$.ccls and clinch nut and hopper	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:30
S75	572	"29"/\$.ccls and clinch nut and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:32
S76	0	"29"/\$.ccls and "clinch nut" and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S77	0	"29"/\$.ccls and (clinch with nut) and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S78	0	"29"/\$.ccls and (clinch same nut) and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S79	1	("1332686").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 08:59
S80	41	WASHER WITH GROOVES WITH FRICTION	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:02
S81	170493	grooved washer	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:02
S82	25	"grooved washer"	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:03
S83	17384	groove\$ and washer and two with side	US-PGPUB; USPAT	OR	ON	2004/08/16 10:04
S84	17384	groove\$ and washer and (two with side)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:05
S85	195	groove\$ and washer and (two?sided)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:05
S86	0	groove\$ and washer and (two?sided)and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:06
S87	0	groove\$ and washer and ('two sided' 'two-sided')and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:06
S88	0	groove\$ and washer and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S89	0	groove and washer and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S90	1210	groove and washer and "411"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S91	208	groove and washer and "411"/\$.ccls. and (both with side)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:19
S92	521	groove and washer and "411"/\$.ccls. and radial	US-PGPUB; USPAT	OR	ON	2004/08/16 10:20

S93	250	groove and washer and "411"/\$. ccls. and radial and lock	US-PGPUB; USPAT	OR	ON	2004/08/16 10:21
S94	1	("2415695").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 11:53
S95	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 12:32
S96	664	(castled groove\$ recess\$) and lock and washer and "411"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:00
S97	0	"6010290".URPN.	USPAT	OR	OFF	2004/08/16 12:39
S98	0	"6010290".URPN.	USPAT	OR	OFF	2004/08/16 12:39
S99	19	("0130689"   "0152344"   "0669840"   "0763821"   "0788058"   "1033759"   "1309463"   "1311727"   "1358690"   "1363210"   "1480885"   "1613493"   "1707932"   "1966015"   "2384908"   "2405424"   "4572718"   "5562378"   "5674034").PN.	USPAT	OR	OFF	2004/08/16 12:39
S10 0	19	("0130689"   "0152344"   "0669840"   "0763821"   "0788058"   "1033759"   "1309463"   "1311727"   "1358690"   "1363210"   "1480885"   "1613493"   "1707932"   "1966015"   "2384908"   "2405424"   "4572718"   "5562378"   "5674034").PN.	USPAT	OR	OFF	2004/08/16 12:39
S10 1	2	"1613493".URPN.	USPAT	OR	OFF	2004/08/16 12:40
S10 2	310	(castled groove\$ recess\$) and lock and washer and "411"/\$.ccls. and flange	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:20
S10 3	1	("1579875").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 13:31
S10 4	10	spool with flange with frustoconical	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:35
S10 5	4475	spool with flange	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:39
S10 6	2539	spool with flange and (center midway middle halfway)	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:42
S10 7	1481	washer with grooves	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07



S10 8	31	("2078739"   "2587408"   "2757054"   "2795444"   "2983534"   "2984528"   "2996901"   "3050351"   "3168321"   "3259404"   "3316035"   "3344689"   "3399007"   "3588787"   "3589143"   "3635535"   "3674325"   "3726178"   "4050130"   "4371357"   "4419086"   "4448550"   "4637740"   "4702657"   "4854738"   "4934979"   "5106342"   "5199800"   "5286115"   "5865678"   "6129634").PN.	USPAT	OR	OFF	2004/08/16 13:50
S10 9	18	"2795444".URPN.	USPAT	OR	OFF	2004/08/16 13:53
S11 0	6	("1681731"   "3155051"   "3407011"   "3504879"   "3771753"   "3776499").PN.	USPAT	OR	OFF	2004/08/16 14:49
S11 1	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/16 15:03
S11 2	307902	reversible clinch nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 3	0	reversible with clinch with nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 4	0	reversible same clinch with nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 5	1131	cylindrical and flange and peripheral and radially and outward and inward and taper	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:23
S11 6	921	(411/82,82.1,427).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 15:25
S11 7	16	("3213914"   "3234987"   "3253631"   "3299500"   "3469613"   "3506050"   "3648747"   "3793658"   "3810291"   "3927465"   "4484385"   "4637766"   "4708556"   "5340251"   "5531552"   "5549430").PN.	USPAT	OR	OFF	2004/08/17 15:52
S11 8	143	(242/342).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 08:26
S11 9	227	spool with center with flange	US-PGPUB; USPAT	OR	OFF	2004/08/17 09:39
S12 0	0	"20020108328".URPN.	USPAT	OR	OFF	2004/08/17 08:30
S12 1	0	"20020108328".URPN.	USPAT	OR	OFF	2004/08/17 08:30

S12 2	941	(242/603,614,578,578.2,388.6). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 10:34
S12 3	0	"1433921".URPN.	USPAT	OR	OFF	2004/08/17 10:19
S12 4	0	"1433921".URPN.	USPAT	OR	OFF	2004/08/17 10:20
S12 5	221656	clinch nut	US-PGPUB; USPAT	OR	OFF	2004/08/17 10:34
S12 6	131173	clinch nut	EPO; JPO; DERWENT	OR	OFF	2004/08/17 10:34
S12 7	211219	clinch nut symmetrical	EPO; JPO; DERWENT	OR	OFF	2004/08/17 10:35
S12 8	1	clinch and nut and symmetrical	EPO; JPO; DERWENT	OR	OFF	2004/08/17 11:23

S12 9	298	((("5593262") or ("5193961") or ("4952106") or ("5537793") or ("5549430") or ("5791810") or ("4143498") or ("4367995") or ("4391559") or ("4430947") or ("4478545") or ("4565465") or ("4778320") or ("4832547") or ("4860410") or ("4861208") or ("5005265") or ("5187843") or ("5195857") or ("5207588") or ("5237733") or ("5375954") or ("5441417") or ("5451090") or ("5513471") or ("5528812") or ("5564873") or ("5613815") or ("5644830") or ("6035598") or ("6079923") or ("6146192") or ("6231380") or ("6406237") or ("4497151") or ("5678286") or ("4825527") or ("4985994") or ("4296582") or ("4303187") or ("4338755") or ("4356943") or ("4372014") or ("4402116") or ("4425686") or ("4444342") or ("4459073") or ("4543701") or ("4575875") or ("4610072") or ("4810143") or ("4826378") or ("4831698") or ("4846586") or ("4893394") or ("4911592") or ("4918898") or ("4932105") or ("4966421") or ("4986590") or ("5251370") or ("5309618") or ("5335411") or ("5363624") or ("5370485") or ("5398700") or ("5401194") or ("5423645") or ("5439336") or ("5471804") or ("5490361") or ("5560094") or ("5685050") or ("5690460") or ("5722139") or ("5758467") or ("5791845") or ("5845883") or ("5875500") or ("6056174") or ("6077011") or ("6158937") or ("6203364") or ("6341465") or ("6370831") or ("6376035") or ("6390885") or ("6421846") or ("6439771") or ("6557927") or ("6675966") or ("6682126") or ("6718559") or ("5683070") or ("3916577") or ("3913288") or ("3852849") or ("4109437") or ("4257204") or ("5229175") or ("5345716") or ("5613701") or ("5752355") or ("5919535") or ("5956920") or ("6068113") or ("6110586") or ("6138329") or ("6202261") or ("6592387") or ("5181360") or ("5306175") or ("5639195") or ("4104840") or ("4382303") or ("4384667") or ("4499636") or ("4512122") or ("4863326") or ("4877364") or ("4884376") or ("4884988") or	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 12:41

S13 0	2910	(29/525-525.15).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 13:36
S13 1	1	("1363104").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 15:52
S14 5	7	((("2238488") or ("4574473") or ("0359394") or ("5667328") or ("5779412") or ("6374455") or ("4543023")).PN.	US-PGPUB; USPAT	OR	OFF	2004/11/12 09:46
S14 6	26	("3187796"   "3315345"   "3338463"   "3357388"   "3439723"   "3469613"   "3506050"   "3810290"   "3829957"   "3877133"   "3920059"   "3969808"   "3999659"   "4153989"   "4208776"   "4242793"   "4384667"   "4394794"   "4525912").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/12 10:22
S14 7	25	("4574473").URPN.	USPAT	OR	OFF	2004/11/12 10:25
S14 8	470783	symmetrical (clinch pierce) nut	US-PGPUB; USPAT	OR	OFF	2004/11/15 11:24
S14 9	376	symmetrical and (clinch pierce) and nut	US-PGPUB; USPAT	OR	OFF	2004/11/15 11:24